

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/080447 A1

(51) International Patent Classification⁷: C08F 8/00, C08J 3/03, C08F 20/04

(21) International Application Number:
PCT/EP2005/001367

(22) International Filing Date: 11 February 2005 (11.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04405095.3 19 February 2004 (19.02.2004) EP

(71) Applicant (for all designated States except US): WALTECH AG [LI/LI]; Landstrasse 153, FL-9491 Ruggell (LI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GUBYCH, Igor [UA/UA]; 32a Yefremova St., Lviv (UA).

(74) Agents: HASLER, Erich et al.; Riederer Hasler & Partner, Patentanwälte AG, Kappelestrasse 15, FL-9492 Eschen (LI).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF MODIFYING POLYACRYLATES FOR OBTAINING HIGH MOLECULAR POLYMERS

(57) Abstract: The present invention relates to the field of acrylic polymers and in particular to their modification with the purpose of the formation of compounds of still higher molecular masses. Plastic materials of the type of acrylic universal polymer (PAU), e.g. sold under the tradename "POLYGOR", can be used as starting material. The acrylic starting material is then modified by appropriate modifier compounds. In this way modified polymers can have molecular weights in the range between 2×10^5 and 15×10^7 a.u. and are water-soluble. This allows to use them as flocculation, coagulation, ion-exchange means and as additives to surface active agents for raising their washing and foaming capabilities.

WO 2005/080447 A1